

**CALIFORNIA ENERGY COMMISSION  
Agricultural Peak Load Reduction Program**

**Fan Retrofit  
Sun Maid Growers Project Summary**

**Project Description:**

Sun Maid Growers, located in Ripperdan, Madera County, retrofitted 22 high-efficiency fans to their dehydrator tunnels. These fans force heated air over trays of fruit. The existing fans were shop-fabricated and were driven by V-belt using 24 horsepower motors. They were replaced with high-efficiency, 10 horsepower vane axial fans.

**Project Results:**

This facility has multiple loads on one service meter. Peak load reduction was estimated by measuring both the actual kW draw and airflow of both the existing and as-retrofitted fans.



Retrofitted, 10 hp, high-efficiency vane axial fan

Total Project Cost	\$140,235.22
Total Grant Award	\$32,470.00
Contracted kW Load Reduction	126.06
Actual kW Load Reduction	111.66

**Contact Information:**

Bill Coyle  
Telephone: 559.897.6297  
Fax: 559.897.6379